

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 2 | ("6048486").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/27 17:29 |
| L2 | 5510 | (dtex or denier or tex) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron) or (KEVLAR)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:31 |
| L3 | 270 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (microfine or ultrafine or microdenier or micro-denier)) and I2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/07/27 17:32 |
| L4 | 270 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (microfine or ultrafine or microdenier or micro-denier)) and I2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:39 |
| L5 | 9 | I4 and ((cut-resistant) or (penetration resistant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:33 |
| L6 | 2207 | (staple or spun or stretch breaking) and I2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:39 |
| L7 | 2207 | ((staple) or (spun) or (stretch breaking)) and I2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:40 |
| L8 | 187 | ((staple) or (spun) or (stretch breaking)) and I4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:40 |
| L9 | 133 | I8 and cut | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:41 |
| L10 | 0 | I9 and (poly(para-phenylene terephthalate)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2004/07/27 17:40 |

| | | | | | | |
|----|-------|--|---|----|-----|------------------|
| S1 | 6801 | (428/357,"359","364","377","395", "401","907","903","908"."8","911"). CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2003/01/07 13:28 |
| S2 | 4533 | ((442/97,"134","189","301","308", "340","351","401","414") or (2/1, "455","456","2"."5","16","21","159", "161"."6","161"."7","907")).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2003/01/07 13:37 |
| S3 | 10936 | ((428/357,"359","364","377","395", "401","907","903","908"."8","911"). CCLS.) or (((442/97,"134","189", "301","308","340","351","401", "414") or (2/1,"455","456","2"."5", "16","21","159","161"."6","161"."7", "907")).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 13:37 |
| S4 | 22042 | ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 12:47 |
| S5 | 19379 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 13:47 |
| S6 | 1 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same (poly near2 para-phenylene adj terephthalate) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 16:17 |
| S7 | 1 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same poly near2 para-phenylene adj terephthalate | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 13:47 |
| S8 | 217 | ((428/357,"359","364","377","395", "401","907","903","908"."8","911"). CCLS.) or (((442/97,"134","189", "301","308","340","351","401", "414") or (2/1,"455","456","2"."5", "16","21","159","161"."6","161"."7", "907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 13:48 |

| | | | | | | |
|-----|-----|--|---|----|-----|------------------|
| S9 | 56 | (((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 13:48 |
| S10 | 17 | (para-aramid\$3) and ((((((428/357,"359","364","377","395","401","907","903","908"."8","911").CCLS.) or (((442/97,"134","189","301","308","340","351","401","414") or (2/1,"455","456","2"."5","16","21","159","161"."6","161"."7","907")).CCLS.)) and (((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7))) and (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (yarn) or (string) or (fibre)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1)))) and staple | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 14:35 |
| S11 | 6 | ((("5822791") or ("4738893") or ("5001003")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2003/01/07 14:52 |
| S12 | 6 | 93/00564 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2003/01/07 14:52 |
| S13 | 19 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre)) near3 ((aramid or para-aramid or para-aramid\$3) or (poly near2 para-phenylene adj terephthalate)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 17:55 |
| S14 | 6 | (denier or dtex) and S13 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 16:21 |
| S15 | 341 | TWARON | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 16:21 |

| | | | | | | |
|-----|------|--|---|----|----|------------------|
| S16 | 2 | S13 and S15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 17:13 |
| S17 | 1 | S14 and S15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 17:54 |
| S18 | 144 | manten | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 17:54 |
| S19 | 0 | johannes adj3 manten | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 17:54 |
| S20 | 36 | twaron adj products | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:12 |
| S21 | 47 | teijin adj twaron | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:04 |
| S22 | 30 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) near5 ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:13 |
| S23 | 90 | ((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (micro-fibre) or (microfibre)) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:33 |
| S24 | 1693 | (dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:34 |

| | | | | | | |
|-----|-------|---|---|----|-----|------------------|
| S25 | 1701 | (dtex or denier) same ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 12:47 |
| S26 | 13399 | S25 and (cut near3 resist\$7) or (penetrat\$5 near3 resist\$7) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:34 |
| S27 | 251 | S25 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:51 |
| S28 | 2 | ("5578358").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/17 18:51 |
| S29 | 641 | prickett | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:51 |
| S30 | 15 | S29 and ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/17 18:52 |
| S31 | 28 | ((cut near3 resist\$7) or (penetrat\$5 near3 resist\$7)) and 428/903.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 13:45 |
| S32 | 28 | (dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron)) and 428/903.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 13:47 |
| S33 | 4 | ((cut near3 resist\$7)) and 428/903.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 13:56 |
| S34 | 29 | (dtex or denier) and ((aramid or para-aramid or para-aramid\$3) or (polyaramid) or (aromatic adj3 polyamide) or (poly adj2 para-phenylene adj terephthalate) or (para-aromatic adj2 polyamides) or (PPD-T) or (Twaron) or (KEVLAR)) and 428/903.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 14:02 |

| | | | | | | |
|-----|---|---|---|----|-----|------------------|
| S35 | 4 | (((microfilament) or (microfiber) or (micro-filament) or (micro-fiber) or (microfine or ultrafine)) same ((aramid\$) or (polyaramid\$1) or (PBI) or (PPD-T) or (poly-aramid\$1) or (TWARON) or (KEVLAR))) and 428/903.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/02/20 13:54 |
| S36 | 2 | ("6468929").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/23 08:56 |